

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/013043

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K16/28 G01N33/74 G01N33/53

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, PAJ, WPI Data, EMBL

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WU ZIDA ET AL: "Quantification of the soluble leptin receptor in human blood by ligand-mediated immunofunctional assay" JOURNAL OF CLINICAL ENDOCRINOLOGY AND METABOLISM, vol. 87, no. 6, June 2002 (2002-06), pages 2931-2939, XP002323286 ISSN: 0021-972X abstract page 2932, right-hand column, paragraph 2 - page 2933, right-hand column, last paragraph figure 2</p> <p style="text-align: center;">----- -/--</p>	1-21, 33-35, 40-42

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"Z" document member of the same patent family

Date of the actual completion of the international search

5 April 2005

Date of mailing of the international search report

19/04/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>MAINGRETTE FRITZ ET AL: "Leptin increases lipoprotein lipase secretion by macrophages: Involvement of oxidative stress and protein kinase C." DIABETES, vol. 52, no. 8, August 2003 (2003-08), pages 2121-2128, XP002323287 ISSN: 0012-1797 abstract page 2121, right-hand column, last paragraph - page 2122, left-hand column, paragraph 1 page 2123, right-hand column, paragraph 3 figure 3</p>	1-21, 33-35, 40-42
X	<p>CORSONELLO A ET AL: "Leptin-dependent platelet aggregation in healthy, overweight and obese subjects." INTERNATIONAL JOURNAL OF OBESITY, vol. 27, no. 5, May 2003 (2003-05), pages 566-573, XP002323288 ISSN: 0307-0565 abstract page 567, right-hand column, paragraph 5 page 569, left-hand column, paragraph 2 figure 4</p>	1-21, 33-35, 40-42
X	<p>IVERSEN PER OLE ET AL: "Prevention of leptin binding to its receptor suppresses rat leukemic cell growth by inhibiting angiogenesis." BLOOD, vol. 100, no. 12, 1 December 2002 (2002-12-01), pages 4123-4128, XP002323289 ISSN: 0006-4971 abstract page 4124, left-hand column, paragraph 3 figure 2</p>	1-21, 33-35, 40-42
X	<p>WO 99/59614 A (YALE UNIVERSITY; SIERRA-HONIGMANN, ROCIO, M) 25 November 1999 (1999-11-25) page 24, line 12 - line 18 example 1</p>	1-21, 33-35, 40-42
X	<p>WO 00/76552 A (BAYLOR COLLEGE OF MEDICINE) 21 December 2000 (2000-12-21)  page 27, line 6 - line 7</p>	1-21, 33-35, 40-42

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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 42  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claim 42 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/013043

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9959614	A	25-11-1999	AU 4672199 A WO 9959614 A1	06-12-1999 25-11-1999
WO 0076552	A	21-12-2000	AU 767068 B2 AU 5603100 A CA 2376933 A1 EP 1191945 A1 JP 2003528804 T WO 0076552 A1 US 2004202652 A1	30-10-2003 02-01-2001 21-12-2000 03-04-2002 30-09-2003 21-12-2000 14-10-2004